

09ARC 6.6 – ESTIMATING AND COSTING

Written by Administrator
Saturday, 31 October 2009 17:59 -

CONTACT PERIODS : : 3 (LECTURE) PER WEEK

DURATION OF EXAM : 3 HRS

EXAM MARKS□□□□□□ : 100

PROGRESSIVE MARKS□□ :□□□ 50

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Objective:

To develop the necessary skills for estimation and writing specifications for various types of buildings and developmental work.

Outline:

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Introduction, importance of estimation, types of estimates, mode of measurement etc.,

Study of local SR rates, market rates, measurement book (MB), RA bill, interim and final certificate

Detailed rate analysis of building items as per current schedule of rates (CSR) of local PWD – for information only

Percentage of various materials used in building items like cement, steel, rubble, metal, sand, brick, tiles etc.,

Abstract and detailed specifications for various materials and items of work used in building

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Estimate of

- a) Load bearing and RCC framed structure with one example for each

- b) Typical interior items of a residence and an office

- c) Various types of roofs like steel and wood including roofing materials like Mangalore tiles, AC, GI sheet etc.,

- d) Water supply and sanitary works

- e) A typical layout plan with roads, culverts etc.,

References:

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- a) “Estimating and Costing” by SK Dutta

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b) “Estimating” by SC Rangawala